

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P302132

Luminaire Tested: **ZX-WO-44H830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-44H830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

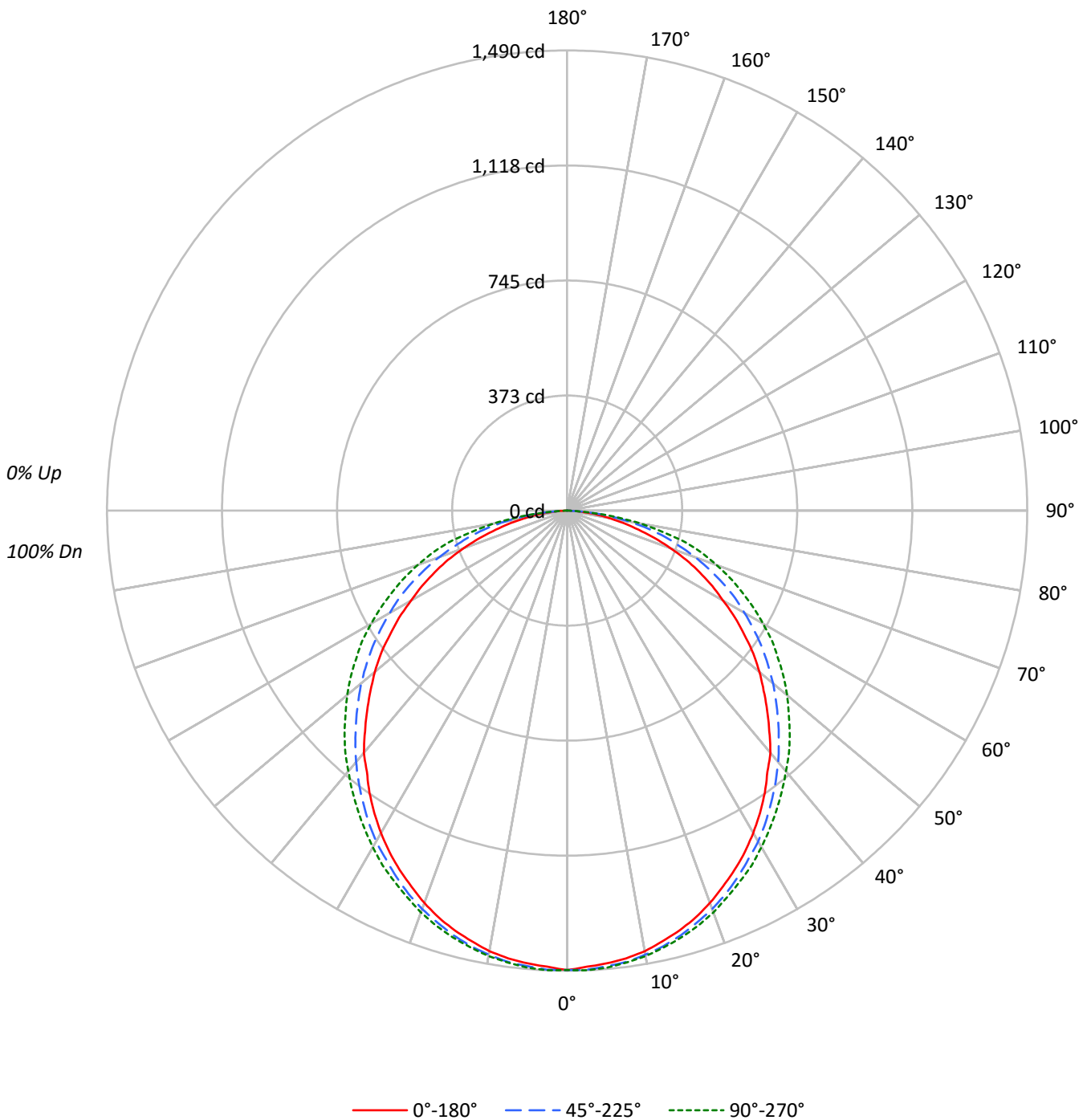
Lumens per Lamp: N/A
Luminaire Lumens: 4264.5 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4003	4003	4003
5°	3975	4000	4012
10°	3959	3990	4002
15°	3921	3965	3985
20°	3872	3932	3964
25°	3811	3885	3933
30°	3745	3845	3909
35°	3665	3786	3884
40°	3597	3734	3871
45°	3486	3678	3879
50°	3402	3643	3893
55°	3285	3608	3910
60°	3138	3571	3942
65°	3011	3538	3976
70°	2800	3468	4046
75°	2483	3389	4130
80°	2100	3166	3736
85°	1488	2198	2127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	3.3
10°-20°	400.8	9.4
20°-30°	602.2	14.1
30°-40°	720.5	16.9
40°-50°	747.1	17.5
50°-60°	687.2	16.1
60°-70°	545.4	12.8
70°-80°	336.9	7.9
80°-90°	83.7	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1143.7	26.8
0°-40°	1864.2	43.7
0°-60°	3298.5	77.3
0°-90°	4264.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4264.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1488	1488	1488	1488	1488	
5°	1472	1476	1481	1485	1485	140
15°	1407	1412	1423	1430	1430	397
25°	1283	1293	1309	1322	1325	591
35°	1116	1127	1152	1176	1182	698
45°	916	932	966	1006	1019	708
55°	700	719	769	822	833	627
65°	473	494	556	608	624	468
75°	239	271	326	376	397	255
85°	48	62	71	71	69	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1487.7	1487.7	1487.7	1487.7	1487.7
2.5°	1478.5	1480.8	1487.7	1490.0	1490.0
5°	1471.6	1476.2	1480.8	1485.4	1485.4
7.5°	1462.4	1467.0	1473.9	1476.2	1476.2
10°	1448.7	1453.3	1460.1	1464.7	1464.7
12.5°	1428.0	1434.9	1444.1	1448.7	1448.7
15°	1407.3	1411.9	1423.4	1430.3	1430.3
17.5°	1382.1	1386.7	1398.2	1407.3	1409.6
20°	1352.2	1356.8	1372.9	1382.1	1384.4
22.5°	1317.8	1324.7	1343.1	1352.2	1354.5
25°	1283.4	1292.6	1308.6	1322.4	1324.7
27.5°	1246.6	1255.8	1271.9	1290.3	1294.8
30°	1205.3	1214.5	1237.5	1253.5	1258.1
32.5°	1161.7	1173.2	1196.1	1216.8	1221.4
35°	1115.8	1127.3	1152.5	1175.5	1182.4
37.5°	1065.3	1081.3	1108.9	1134.1	1143.3
40°	1023.9	1033.1	1063.0	1092.8	1102.0
42.5°	968.8	982.6	1014.8	1049.2	1063.0
45°	916.0	932.1	966.5	1005.6	1019.3
47.5°	863.2	879.3	918.3	959.7	973.4
50°	812.7	826.5	870.1	916.0	929.8
52.5°	759.9	773.7	819.6	870.1	883.9
55°	700.2	718.6	769.1	821.9	833.4
57.5°	645.1	663.5	716.3	766.8	787.5
60°	583.1	606.1	663.5	714.0	732.4
62.5°	530.3	548.7	613.0	663.5	679.6
65°	472.9	493.6	555.6	608.4	624.5
67.5°	417.8	438.5	498.2	551.0	571.7
70°	355.9	378.8	440.8	493.6	514.3
72.5°	298.5	326.0	381.1	436.2	459.2
75°	238.8	270.9	326.0	376.5	397.2
77.5°	186.0	213.5	266.3	300.8	312.2
80°	135.5	163.0	204.3	227.3	241.1
82.5°	91.8	107.9	140.0	156.1	156.1
85°	48.2	62.0	71.2	71.2	68.9
87.5°	16.1	18.4	13.8	6.9	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)